

QP Code: 107330

Reg No: .....

First Year M.Pharm Degree Examinations July 2015

(Pharmacognosy & Phytochemistry)

Paper III - Applied Pharmacognosy and Plant Biotechnology

Time: 3 hrs

Maximum Marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(2x20 =40)

1. Explain gene mapping and molecular maps of plant genome
2. Discuss the screening of medicinal plants for anti-inflammatory and hepto protective activities.

Short Essays:

(6x10=60)

3. What are the current good manufacturing practices for herbal formulations
4. What are the evaluation techniques for herbal creams and herbal oils
5. What are the methods of preparation an applications of phytosomes
6. Explain the bioreactors for pilot and large scale culture of plant cells
7. Discuss about protoplast culture and hairy root culture.
8. Explain DNA recombinant technology

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